

RESOUNDIFY

StreamCore-WP

4K60 4:4:4/HDR w/USB and Audio over IP JPEG2K HDMI/USB-C

Wall plate Encoder



PRODUCT OVERVIEW

The **Resoundify StreamCore-WP** is a high-performance, wall-mountable HDMI 2.0a encoder featuring dual inputs (HDMI and USB-C), designed for seamless IP-based AV distribution. Supporting visually lossless JPEG 2000 compression, it delivers 4K60 4:4:4 video with HDR over standard 1G Ethernet infrastructure.

This encoder integrates USB, audio, and RS-232 control (via 3-pin Phoenix/Euroblock), making it ideal for modern collaboration spaces, classrooms, and meeting rooms. It is PoE-powered for simplified installation and requires a compatible StreamCore Decoder for operation. The StreamCore-WP is a next-generation, wall plate-style AV encoder engineered for high-performance IP-based audiovisual distribution. Designed for modern AV environments, it features dual video inputs (HDMI 2.0a and USB-C), enabling flexible source connectivity in conference rooms, classrooms, lecture halls, and control centers.

KEY FEATURES

- **Supports 4K60 4:4:4 HDR Video:** High-resolution video with full color sampling and High Dynamic Range for exceptional image quality.
- **Dual Input: HDMI 2.0a and USB-C:** Flexible connectivity for modern devices including laptops, media players, and USB peripherals
- **JPEG 2000 Compression for IP Streaming :** Efficient, visually lossless video compression over standard 1Gb Ethernet networks.
- **USB and Audio over IP:** Integrates USB data and high-quality audio streaming within the IP network for unified AV distribution.
- **PoE (Power over Ethernet) Support:** Simplifies installation with power and data over a single Ethernet cable.
- **HDCP 2.3 Encryption :** Ensures secure content protection for protected media streams.
- **RS-232 Serial Control (3-pin Phoenix):** Enables device control and automation integration.
- **Wall plate Form Factor:** Compact and professional flush-mount design suitable for conference rooms and collaboration spaces.
- **Compatible with StreamCore Decoders:** Works seamlessly with complementary StreamCore decoder units for complete AV over IP solutions.

APPLICATIONS

- Boardrooms
- Classrooms
- Auditorium

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TECHNICAL SPECIFICATIONS

ZyPerUHD60 Encoder	Information	connector
Video	HDMI 2.0a and USB-C	HDMI type A and USB-C
Serial	Full Duplex up to 115.2 kbps	3-pin Phoenix
USB	USB 2.0	2x USB Type C
Ethernet (PoE)	1 Gb for Video/Audio/Control	1Gb RJ45 port

Other Specifications

Number of Analog Inputs	Supports all major VESA resolutions and variations including: VGA: 640x480 (4:3) SXGA: 1280x1024 (5:4) 1080p/i: 1920x1080 (16:9) SVGA: 800x600 (4:3) WXGA: 1366x768 (16:9) QXGA: 2048x1536 (4:3)	XGA: 1024x768 (4:3) SXGA+: 1440x1080 (4:3) Ultra HD: 3840x2160 (16:9) HDTV: 1280x720 (16:9) UXGA: 1600x1200 (4:3) 4K: 4096x2160 (16:10)
Video Other	Color Depth: 24 bit, 30 bit	
Country of Origin	Cat6a: 328 ft (100 m)	
Copy Protection/Security	HDCP 2.3, 802.1X compatible	
Power consumption	Approximately 7W	
Dimensions	Standard 2-Gang box (90mm Wide x 105.6mm High x 47mm Deep)	
Temperature	Operating Temperature +32°F ~ +113°F (0°C ~ +45°C) Storage Temperature -4°F ~ +158°F (-20°C ~ +70°C)	
Humidity	10% ~ 90%, non-condensing	

Accessories

ZUHD60RACK	6RU Rack mount chassis. Holds up to 10 ZyPerUHD60 encoders/decoders. Includes 4 blank panels
ZUHD60BP	Spare blank panel for ZUHD60RACK
12V2APS	12 Volt, 2A Power Supply for UHD60 units. (Not compatible with 2E, 2EA, 2EMP and 1WE encoders) Not required if using PoE for power.
20V6APS	20 Volt, 6A Power Supply for UHD60 Encoder units. (Only compatible with 2E, 2EA and 2EMP units)
U60WPPS	ZyPerUHD60 20V 6A power supply with 2-pin phoenix connector for UHD60 Wall plate, with US power cable. (Only compatible with Wall plate Encoder)